

NOTES:

1. THIS DRAWING DEFINES THE OVERALL GEOMETRY AND PERFORMANCE SPECIFICATIONS OF THE PART/ASSEMBLY, AND CONSTITUTES THE ACCEPTANCE CRITERIA THEREOF. ONLY THE ITEM(S) DESCRIBED IN THIS DOCUMENT PROCURED FROM THE VENDOR AND/OR MANUFACTURER LISTED HEREON ARE APPROVED FOR USE. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL. CONFORMATNCE OF HARDWARE TO THESE REQUIREMENTS IS ACCEPTABLE IN LIEU OF VENDOR AND/OR MANUFACTURER DOCUMENTATION.

2. ACCEPTED MFR'R: AURORA BEARING

ALT. MFR'R: MORSE INDUSTRIAL

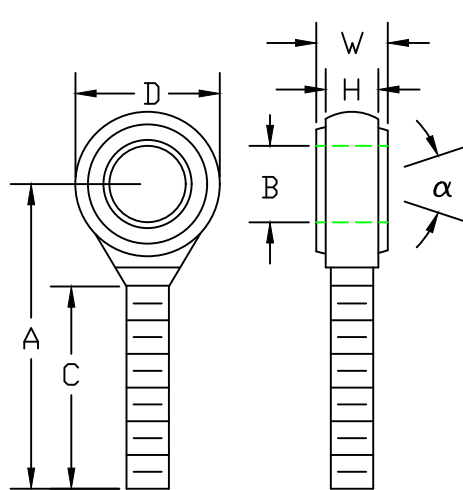
3. BODY: CARBON STEEL WITH ZINC PLATING PER ASTM-B633 OR EQUIVALENT CORROSION RESISTANCE.

4. BALL: ALLOY STEEL WITH HARD CHROME PLATING PER SAE-AMS-QQ-C-320 CLASS 2D OR EQUIVALENT CORROSION AND WEAR RESISTANCE.

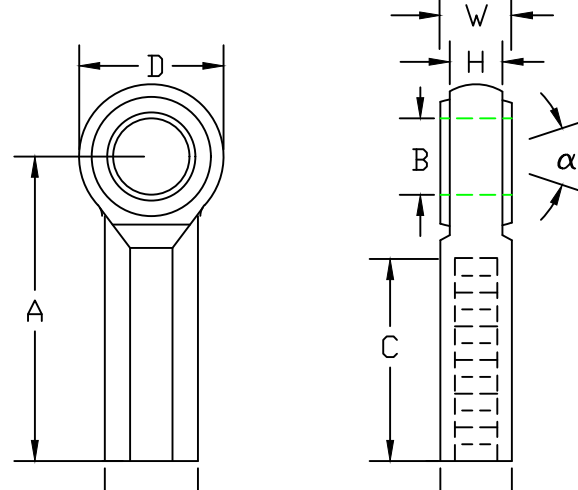
α = MINIMUM BALL ADJUSTMENT ANGLE

| SHEET | REV | ECO | DATE | DESCRIPTION | APR | CHK |
|-------|-----|-----|------------|--|-----|-----|
| 1 | A | | 08/30/02 | ADDED NOTES 3 & 4 AND DIMENSIONS E & F. | GP | JB |
| 1 | B | | 12/09/04 | ADDED -6RF, -7RF -3RM, -3LM A DIMS WERE 1.062; -3RM, -3LM, -4RM, -4LM E&F DIMS REMOVED | REB | LS |
| 1 | C | | 12/08/08 | ADDED -5RM, -4RF DIM F TYPO WAS "0.409". -6RF DIM F TYPO WAS "0.719". | REB | LS |
| 1 | | 1 | 12/28/2011 | ADDED CM-5 ALT. TO MM-5, ES39600-5RM | REB | LS |
| 1 | | 2 | 08/09/2017 | ADDED MWF-M14 & CM-8, REWORDED NOTE 1 | REB | LS |
| 1 | | 3 | 12/19/2018 | ADDED PLATING SPECIFICATIONS | CMK | LD |

| DASH # | AURORA P/N | MORSE P/N | THREAD | α | A | B | C | D | E | F | H $\begin{smallmatrix} +0.008 \\ -0.005 \end{smallmatrix}$ | W |
|--------|---------------|-----------|------------------------|----------|-------|---------|---------|---------|---------|---------|--|--------|
| -3RF | MW-3 | TR-3 | 10-32 UNF RIGHT HAND | 13 | 1.062 | 0.1900 | 0.562 | 0.625 | 0.312 | 0.406 | 0.250 | 0.312 |
| -3RM | MM-3 | TRE-3 | 10-32 UNF RIGHT HAND | 13 | 1.250 | 0.1900 | 0.750 | 0.625 | N/A | N/A | 0.250 | 0.312 |
| -3LF | MG-3 | TRL-3 | 10-32 UNF LEFT HAND | 13 | 1.062 | 0.1900 | 0.562 | 0.625 | 0.312 | 0.406 | 0.250 | 0.312 |
| -3LM | MB-3 | TREL-3 | 10-32 UNF LEFT HAND | 13 | 1.250 | 0.1900 | 0.750 | 0.625 | N/A | N/A | 0.250 | 0.312 |
| -4RF | MW-4 | TR-4 | 1/4-28 UNF RIGHT HAND | 16 | 1.312 | 0.2500 | 0.750 | 0.750 | 0.375 | 0.469 | 0.281 | 0.375 |
| -4RM | MM-4 | TRE-4 | 1/4-28 UNF RIGHT HAND | 16 | 1.562 | 0.2500 | 1.000 | 0.750 | N/A | N/A | 0.281 | 0.375 |
| -4LF | MG-4 | TRL-4 | 1/4-28 UNF LEFT HAND | 16 | 1.312 | 0.2500 | 0.750 | 0.750 | 0.375 | 0.469 | 0.281 | 0.375 |
| -4LM | MB-4 | TREL-4 | 1/4-28 UNF LEFT HAND | 16 | 1.562 | 0.2500 | 1.000 | 0.750 | N/A | N/A | 0.281 | 0.375 |
| -5RM | MM-5/ALT CM-5 | | 5/16-24 UNF RIGHT HAND | 14/22 | 1.877 | 0.3125 | 1.245 | 0.875 | N/A | N/A | 0.298 | 0.434 |
| -6RF | MW-6 | | 3/8-24 UNF RIGHT HAND | 12 | 1.625 | 0.3750 | 0.937 | 1.000 | 0.562 | 0.687 | 0.406 | 0.500 |
| -7RF | MW-7 | | 7/16-20 UNF RIGHT HAND | 14 | 1.812 | 0.4375 | 1.062 | 1.125 | 0.625 | 0.750 | 0.437 | 0.562 |
| -8RM | CM-8 | | 1/2-20 UNF RIGHT HAND | 14 | 2.438 | 0.5000 | 1.500 | 1.312 | 0.625 | N/A | .453 | .625 |
| -M14RF | MWF-M14 | | M14X1.5 METRIC RH | 21 | 57mm | 14.00mm | 27.00mm | 34.75mm | 22.00mm | 25.00mm | 13.50mm | 19.0mm |



MALE
-#RM/-#LM ROD END



FEMALE
-#RF/-#LF ROD END

NOTE:

THIS DRAWING DEFINES THE OVERALL GEOMETRY AND PERFORMANCE SPECIFICATIONS OF THE PART/ASSEMBLY, AND CONSTITUTES THE ACCEPTANCE CRITERIA THEREOF. ONLY THE ITEM(S) DESCRIBED IN THIS DOCUMENT PROCURED FROM THE VENDOR AND/OR MANUFACTURER LISTED HEREON ARE APPROVED FOR USE. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL. CONFORMATNCE OF HARDWARE TO THESE REQUIREMENTS IS ACCEPTABLE IN LIEU OF VENDOR AND/OR MANUFACTURER DOCUMENTATION.

-CONFIDENTIAL INFORMATION-
THE INFORMATION AND DATA CONTAINED HEREIN IS PROPRIETARY AND IS SUBMITTED IN CONFIDENCE AND SHALL NOT BE DISCLOSED, USED OR DUPLICATED FOR ANY PURPOSE WHATSOEVER WITHOUT THE PRIOR WRITTEN PERMISSION OF PARAVION TECHNOLOGY, INC.

PROTO

N/C

| | | | | | | |
|--|--|--|--------------|------------------------|----------|--------|
| Paravion® Inc. Technology | | TITLE ROD END (SWIVEL) | | DRAWING NO. ES39600 | | |
| DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: | | DRAWN BY | APRVD. BY | CHK'D BY | DATE | REV |
| .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° | | RHSM | REB | REB | 11/27/95 | C |
| THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A | | DO NOT SCALE DRAWING | | | | SHEET |
| | | © 2017 PARAVION TECH., INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC. | | | | 1 OF 1 |